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17688 U.S. PTO

PTO/SB/05 (03-01)

Approved for use through 10/31/2002. OMB 0651-0032

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**UTILITY  
PATENT APPLICATION  
TRANSMITTAL**

(Only for new nonprovisional applications under 37 CFR 1.53(b))

|  |               |             |    |
|--|---------------|-------------|----|
| Attorney Docket No.                            | 6653-022-999  | Total Pages | 53 |
| First Named Inventor or Application Identifier |               |             |    |
| Yang Yunn-Bor                                  |               |             |    |
| Express Mail Label No.                         | EV335858999US |             |    |

**APPLICATION ELEMENTS**

See MPEP chapters 600 concerning utility patent application contents.

Address to:

**Commissioner for Patents****P.O. Box 1450****Mail Stop PATENT APPLICATION  
Alexandria, VA 22313-1450**

- |   |   |
|---|---|
| <p>1. <input checked="" type="checkbox"/> Fee Transmittal Form<br/>(Submit an original, and a duplicate for fee processing)</p> <p>2. <input checked="" type="checkbox"/> Applicant claims Small Entity status, see 37 C.F.R. § 1.27</p> <p>3. <input checked="" type="checkbox"/> Specification [Total Pages 22]<br/>(preferred arrangement set forth below, MPEP 1503.01)<br/>- Descriptive title of the Invention<br/>- Cross Reference to Related Applications<br/><br/>- Statement Regarding Fed sponsored R&amp;D<br/>- Reference to Microfiche Appendix<br/>- Background of the Invention<br/>- Brief Summary of the Invention<br/>- Brief Description of the Drawings (if filed)<br/>- Detailed Description of the Invention (including drawings, if filed)<br/>- Claim(s)<br/>- Abstract of the Disclosure</p> <p>4. <input checked="" type="checkbox"/> Drawing(s) (35 USC 113) [Total Sheets 4]</p> <p>5. <input checked="" type="checkbox"/> Oath or Declaration [Total Sheets 2]<br/><br/>a. <input type="checkbox"/> Newly executed (original or copy)<br/>b. <input checked="" type="checkbox"/> Copy from a prior application (37 CFR 1.63(d))<br/>(for continuation/divisional with Box 18 completed)<br/>i. <input type="checkbox"/> DELETION OF INVENTOR(S)<br/>Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).</p> <p>6. <input type="checkbox"/> Application Data Sheet. See 37 CFR 1.76</p> | <p>7. <input type="checkbox"/> CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)</p> <p>8. <input checked="" type="checkbox"/> Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)<br/>a. <input type="checkbox"/> Computer Readable Form (CRF)<br/>b. <input checked="" type="checkbox"/> Specification Sequence Listing on:<br/>i. <input type="checkbox"/> CD-ROM or CD-R (2 copies); or<br/>ii. <input checked="" type="checkbox"/> paper (copy from U.S. application no. 10/105,319, filed March 26, 2002)<br/>c. <input checked="" type="checkbox"/> Statement verifying identity of above copies</p> |
|---|---|

**ACCOMPANYING APPLICATION PARTS**

9. ☐ Assignment Papers (cover sheet & document(s))
10. ☐ 37 C.F.R. 3.73(b) Statement (when there is an assignee) ☐ Power of Attorney
11. ☐ English Translation Document (if applicable)
12. ☒ Information Disclosure Statement (IDS)/PTO-1449 ☒ Copies of IDS Citations B05-B07 and C05-C08
13. ☒ Preliminary Amendment
14. ☒ Return Receipt Postcard (MPEP 503) (Should be specifically itemized)
15. ☐ Certified Copy of Priority Document(s) (if foreign priority is claimed)
16. ☐ Nonpublication Request under 35 U.S.C. 122 (b)(2)(i). Applicant must attach form PTO/SB/35 or it's equivalent
17. ☒ Other: Transmittal of Formal Drawings; Formal Drawings (4 sheets, Figures 1-4);

**18. If a CONTINUING APPLICATION, check appropriate box and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:**☒ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No.: 10/105,319, filed March 26, 2002.

Prior application information:

Examiner: Swope, Sheridan

Group Art Unit: 1652

**For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.****19. CORRESPONDENCE ADDRESS**☒ Customer Number

20583

Insert Customer No.

or ☐ Correspondence address below

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| COUNTRY | TELEPHONE | FAX      |  |

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

NYJD: 1510898.1

# IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Prior application: Examiner Swope, Sheridan  
 Art Unit 1652

Commissioner for Patents  
 P.O. Box 1450  
 Mail Stop PATENT APPLICATION  
 Alexandria, VA 22313-1450

Sir:

This is a request for filing a ☒ continuation ☐ divisional application under 37 CFR § 1.53(b), of pending prior application no. 10/105,319 filed on March 26, 2002.

of Yang Yunn-Bor, Wei Chia-Li, Hsu Jyh-Shing, and Tsai Ying-Chieh  
 (inventor(s) currently of record in prior application)

for MUTATED PENICILLIN EXPANDASE AND PROCESS FOR PREPARING 7-ADCA USING THE SAME  
 (title of invention)

1. ☒ The filing fee is calculated below:

## PATENT APPLICATION FEE VALUE

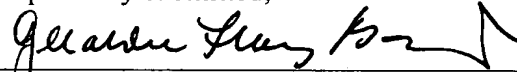
| TYPE  | NO. FILED | LESS | EXTRA | EXTRA RATE   | FEE       |
|---|-----------|------|-------|--------------|-----------|
| Total Claims  | 19        | - 20 | 0     | \$18.00 each | \$ 0.00   |
| Independent   | 1         | - 3  | 0     | \$86.00 each | \$ 0.00   |
| Minimum Fee   |           |      |       |              | \$ 770.00 |
| Multiple Dependency Fee<br>If Applicable (\$290.00)   |           |      |       |              | \$ 0.00   |
| <b>Total</b>  |           |      |       |              | \$ 770.00 |
| Applicant qualifies for the 50% Reduction for Independent<br>Inventor, Nonprofit Organization or Small Business Concern |           |      |       |              | \$ 385.00 |
| <b>Total Filing Fee</b>   |           |      |       |              | \$ 385.00 |

2. ☒ Please charge the required fee to Deposit Account No. 16-1150. A copy of this sheet is enclosed.
- 3a. ☒ A Preliminary Amendment is enclosed.
- 3b. ☒ A new specification, substantially identical to the pending prior application 10/105,319, filed March 26, 2004, and containing no new matter, is enclosed.
- 4a. ☒ New formal drawings are enclosed.
- 4b. ☒ Informal drawings are enclosed.
- 5a. ☐ Priority of application no. filed on in is claimed under 35 U.S.C. §119.

- 5b. ☐ The certified copy has been filed in prior application no. , filed .
6. ☒ The prior application is assigned of record to Synmax Biochemical Co., Ltd. by virtue of an assignment recorded on March 26, 2002 at Reel 01743, Frame 0562.
- 7a. ☒ A copy of the Declaration and Power of Attorney filed in the prior application no. 10/105,319, filed March 26, 2002, is enclosed.
- 7b. ☐ A Power of Attorney is enclosed.
8. ☒ This application contains nucleic acid and/or amino acid sequences required to be disclosed in a Sequence Listing under 37 CFR §§ 1.821-1.825. It is requested that the Sequence Listing in computer readable form from prior application no. 10/105,319, filed March 26, 2002, be made a part of the present application as provided for by 37 C.F.R. § 1.821(e). The sequences disclosed therein are the same as the sequences disclosed in this application. A copy of the paper Sequence Listing from application no. 10/105,319, filed March 26, 2002, is enclosed.
9. ☒ The undersigned states, under 37 C.F.R. § 1.821(f), that the substantive content of the enclosed paper Sequence Listing from application no. 10/105,319, filed March 26, 2002, is the same as the substantive content of the computer readable form submitted in application no. 10/105,319, filed March 26, 2002.
10. ☐ DO NOT PUBLISH. I hereby certify that the invention disclosed in the attached application has not and will not be the subject of an application filed in another country, or under a multilateral agreement, that requires publication at eighteen months after filing. I hereby request that the attached application not be published under 35 U.S.C. § 122(b).
11. ☒ Additional enclosures or instruction: Preliminary Amendment; Transmittal of Formal Drawings; Information Disclosure Statement; and List of References Cited by Applicants; and a copy of references B05-B07 and C05-C08.

Date February 27, 2004

Respectfully submitted,



Geraldine F. Baldwin

JONES DAY

222 East 41st Street

New York, New York 10017

31,232

(Reg. No.)

**EXPRESS MAIL NO.: EV335858999US**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

|                  |   |                      |                |
|------------------|---|----------------------|----------------|
| Application of:  | Yang et al.   | Confirmation No.:    | To be assigned |
| Application No.: | To be assigned<br>(Continuation of U.S.<br>Patent Application No.<br>10/105,319)      | Art Unit:            | To be assigned |
| Filed:           | Herewith  | Examiner:            | To be assigned |
| For:             | MUTATED PENICILLIN<br>EXPANDASE AND PROCESS<br>FOR PREPARING 7-ADCA<br>USING THE SAME | Attorney Docket No.: | 6653-022-999   |

**TRANSMITTAL OF FORMAL DRAWINGS**

Mail Stop Patent Application  
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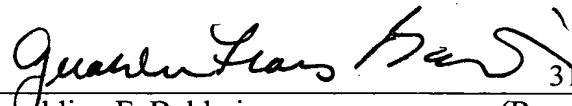
Sir:

Applicants submit herewith formal drawings in connection with the above-identified application. The formal drawings consist of four (4) sheets of drawings (corresponding to Figures 1-4).

Applicants respectfully request entry of the enclosed drawings in the file of the above-identified application.

Respectfully submitted,

Date: February 27, 2004

  
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Enclosures